

**IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (currently amended) A system for registration and analysis of data from a practised stage, and for generation of action programs in dependence of the performed analysis, comprising:
  - an input device, for entering result data for one or more predetermined parameters from one or several performed stages;
  - a calculating device, connected to the input device and devised to calculate, for each of said parameters, a characteristics measurement value for a predetermined characteristics measurement, in dependence of said result data;
  - a profile generation device, connected to said calculation device, and devised to generate a characteristics profile by compiling said calculated characteristics measurement values; and including:
    - a reference database containing a pre-stored normal characteristics profile;
    - a comparison device, connected to the profile generation device and the reference database, and devised to generate a comparison profile by comparing said characteristics profile with said pre-stored normal characteristics profile; and
    - a selection device connected to the profile generation device or the comparison device or a memory containing a profile data structure, and being devised to select, in dependence of said characteristics profile or said comparison profile, from a multitude of pre-stored action programs, an action program adapted for overcoming shortcomings representative of said comparison profile~~a pre-stored action program.~~
2. (previously presented) The system according to claim 1, wherein a device for presentation of the comparison profile is devised to present the comparison profile graphically on a presentation unit.

3. (previously presented) A system according to claim 2, wherein the comparison device is devised to generate a comparison profile by applying a predetermined mathematical operation to the characteristics profile and the normal profile.
4. (previously presented) The system according to claim 3, wherein the comparison device is devised to generate a comparison profile in the form of a difference profile, by calculating the difference between characteristics measurement values for each parameter of the characteristics profile and the normal profile.
5. (previously presented) The system according to claim 2, wherein said device for presentation of the comparison profile is devised to visualise, for each parameter, a current characteristics measurement value and a normal characteristics measurement value in the same diagram.
6. (cancelled)
7. (original) The system according to claim 1, wherein said characteristics profile is a profile for a practiser of said stage, whereas said normal characteristics profile is a profile calculated from a group of practisers with common properties.
8. (original) The system according to claim 7, wherein said normal characteristics profile is a profile for an average practiser within said group.
9. (currently amended) A system according to claim ~~7~~<sup>1</sup>, wherein said practiser is a sports practiser, said stage being a game round of said sport, said parameter is a game parameter and said action program is a training model for improvement of the practiser's player properties within said sport.
10. (previously presented) The system according to claim 9, further comprising a device arranged for entering player data for the sports practiser, and wherein said normal profile is based upon corresponding player data, for example age group, sex, handicap or ranking.

11. (currently amended) The system according to claim ~~10~~1, wherein said device for presentation of the comparison profile further is devised to visually present, on said presentation unit, the characteristics profile or the comparison profile in the form of a bar diagram having one bar for each game parameter, where the bar height corresponds to the characteristics measurement value.

12. (currently amended) The system according to claim 10, wherein said device for presentation of the comparison profile further is devised to visually present, on said presentation unit, the characteristics profile or the comparison profile in the form of a curve chart, where the level of the curve for each game parameter corresponds to the characteristics measurement value.

13. (currently amended) The system according to claim ~~9~~10, adapted for the analysis of the player properties of a golfer, whereby the game parameters are various shot types and the characteristics measurement is the average number of shots per round.

14. (currently amended) The system according to claim ~~9~~10, adapted for the analysis of the player properties of a tennis player, whereby the game parameters are various shot types and the characteristics measurement is the percentage distribution of successful shots in relation to unsuccessful ones.

15. (currently amended) The system according to claim 10, further comprising a device for maintaining a computer structure for storing of characteristics measurement values in a memory.

16. (currently amended) The system according to claim 10, further comprising a device for maintaining a computer structure for storing of characteristics profiles in a memory.

17-20. (cancelled)

21. (currently amended) A system for registration and analysis of data from a practised game round of a sport, and for generation of action programs ~~in dependence of~~based on the performed analysis, comprising:

- ~~an a data input device, for entering~~configured to accept result data ~~for of~~ one or more predetermined game parameters from one or ~~several more~~ game rounds ~~performed played or practiced~~ by a sports practiser;

- ~~a calculating device~~calculator, ~~connected~~linked to the input device and ~~devised configured~~ to ~~calculate~~determine, for each of said game parameters, a characteristics measurement ~~value for relating to~~ a predetermined characteristics measurement, ~~in dependence of~~based on said result data;

- ~~a profile generation device~~profiler, ~~connected~~linked to said calculation ~~device~~calculator, and ~~devised~~configured to generate a characteristics profile by ~~compiling~~using said calculated characteristics measurement ~~values~~;

- ~~a reference database containing a pre-stored normal~~storing a reference characteristics profile ~~calculated from results for a single reference~~ practiser of said sport, or a reference group of practisers with ~~common properties~~a plurality of common characteristics;

- ~~a comparison device~~comparator, ~~connected~~linked to the profile generation ~~device~~profiler and the ~~reference database~~, and ~~devised~~configured to generate a comparison profile by comparing said characteristics profile with said ~~pre-stored normal~~reference characteristics profile;

- ~~a selection device~~selector ~~connected~~linked to the profile generation ~~device~~profiler and/or the ~~comparison device~~comparator and/or a memory ~~containing~~in which a profile data structure is storable, and ~~being devised~~configured to select from a group comprised of a plurality of pairs of training models, ~~in dependence of~~based on one of said characteristics profile ~~or and said~~ comparison profile, ~~a one of said pre-stored training models~~ configured to convey to said sports practiser a plurality of steps or instructions intended to improve said ~~for improving the sport practisers' performance in a subsequent game round as revealed by said comparison device.~~

22. (currently amended) A computer program product, for use together with a computer processing system, for registration and analysis of data from a practised stage, and for generation of action programs in dependence of the performed analysis, comprising:

- 5           - a computer storage medium, including:
  - means, stored on the storage medium, devised to control the computer processing system to receive the input of result data for one ore more predetermined parameters from one or several performed stages;
  - calculating means, stored on the storage medium, devised to control the
  - 10 computer processing system to calculate, for each of said parameters, a characteristics measurement value for a predetermined characteristics measurement, in dependence of said result data;
  - profile generation means, stored on the storage medium, devised to control the computer processing system to generate a characteristics profile by compiling said
  - 15 calculated characteristics measurement values;
  - comparison means, stored on the storage medium, devised to control the computer processing system to generate a comparison profile by comparing said characteristics profile with a normal profile, pre-stored in a reference database; and
  - selection means, stored on the storage medium, devised to control the computer
  - 20 processing system to select from a plurality of pre-stored action programs, in dependence of said characteristics profile or comparison profile, a pre-stored action program adapted for overcoming shortcomings representative of said comparison profile or said characteristics profile.

23. (currently amended) The computer program product according to claim ~~22~~<sup>17</sup>, wherein means, stored on the storage medium, for presentation of the comparison profile, is devised to present the comparison profile graphically on a presentation unit connected to the computer processing system.

24. (currently amended) The computer program product according to claim 22~~1~~8, wherein the comparison means is devised to control the computer processing system to generate a comparison profile by applying a predetermined mathematical operation to the characteristics profile and the normal profile.

25. (currently amended) The computer program product according to claim 22~~1~~9, wherein the comparison means is devised to generate a comparison profile in the form of a difference profile, by calculating the difference between characteristics measurement values for each parameter of the characteristics profile and the normal profile,  
5 respectively.

26. (currently amended) The computer program product according to claim 23~~1~~8, wherein said means for presentation of the comparison profile is devised to visualise, for each parameter, a current characteristics measurement value and a normal characteristics measurement value in the same diagram.

27. (cancelled)

28. (currently amended) The computer program product according to claim 22~~1~~7, wherein said characteristics profile is a profile for a practiser of said stage, whereas said normal characteristics profile is a profile calculated from a group of practisers with common properties.

29. (currently amended) The computer program product according to claim 23~~2~~2, wherein said normal profile is a profile for an average practiser within said group.

30. (currently amended) The computer program product according to claim 24~~2~~8, wherein said practiser is a sports practiser, said stage is one game round of said sport, said parameter is a game parameter and said action program is a training model for improvement of the practiser's player properties within said sport.

31. (currently amended) The computer program product according to claim ~~30~~25, further comprising means, stored on the storage medium, devised to control the computer processing system to receive input player data for the sports practiser; and wherein said normal profile is based upon corresponding player data, for example age group, sex, handicap or ranking.

32. (currently amended) The computer program product according to claim ~~25~~23, wherein said means for presentation of the comparison profile further is devised to visually present, on said presentation unit, the characteristics profile or the comparison profile in the form of a bar diagram having one bar for each game parameter, where the bar height corresponds to the characteristics measurement value.

33. (previously presented) The computer program product according to claim 23, wherein said means for presentation of the comparison profile further is devised to visually present, on said presentation unit, the characteristics profile or the comparison profile in the form of a curve chart, where the level of the curve for each game parameter corresponds to the characteristics measurement value.

34. (currently amended) The computer program product according to claim ~~30~~25, further being adapted for the analysis of the player properties of a golfer, whereby the game parameters are various shot types and the characteristics measurement is the average number of shots per round.

35. (currently amended) The computer program product according to claim ~~30~~25, further being adapted for the analysis of the player properties of a tennis player, whereby the game parameters are various shot types and the characteristics measurement is the percentage distribution of successful shots in relation to unsuccessful ones.

36. (currently amended) The computer program product according to claim ~~25~~22, further comprising means, stored on the storage medium, devised to control the computer processing system to maintain a computer structure for storing of characteristics measurement values in a memory.

37. (currently amended) The computer program product according to claim ~~22~~25, further comprising means, stored on the storage medium, devised to control the computer processing system to maintain a computer structure for storing of characteristics profiles in a memory.

38. (currently amended) A method for registering and analysing data from a practised stage, and for generating action programs in dependence of the performed analysis, comprising the steps of:

- registering result data for one or more predetermined parameters from one or several performed stages;
- calculating, for each of said parameters, a characteristics measurement value for a predetermined characteristics measurement;
- generating a characteristics profile by compiling said calculated characteristics measurement values;
- generating a comparison profile by comparing said characteristics profile with a pre-stored normal profile; and

~~in dependence of~~ using at least one of said characteristics profile or and said comparison profile, a pre-stored action program configured to convey to a practiser a plurality of steps or instructions directed toward converging (a) a subsequent characteristics profile, generated from characteristics measurement values calculated using data from at least one future practised stage, toward (b) said pre-stored normal profile.



39. (currently amended) The method according to claim ~~33~~38, further comprising the step of graphically presenting the comparison profile on a presentation unit connected to the computer processing system.

40. (currently amended) The method according to claim ~~34~~38, further comprising the step of generating a comparison profile by applying a predetermined mathematical operation to the characteristics profile and the normal profile.

41. (currently amended) The method according to claim ~~34~~38, whereby a comparison profile in the form of a difference profile is generated by calculating the difference between characteristics measurement values for each parameter of the characteristics profile and the normal profile, respectively.

42. (currently amended) The method according to claim ~~34~~38, further comprising the step of visualising, for each parameter, a current characteristics measurement value and a normal characteristics measurement value in the same program.

43. (cancelled).

44. (previously presented) The method according to claim 38, further comprising the step of visually presenting instructions and figures associated with the current action program.

45. (currently amended) The method according to claim ~~33~~38, whereby said characteristics profile is a profile for a practiser of said stage, whereas said normal characteristics profile is a profile calculated from a group of practisers with common properties.

46. (currently amended) The method according to claim ~~36~~38, whereby said normal profile is a profile for an average practiser with said group.

47. (currently amended) The method according to claim ~~41~~45, whereby said practiser is a sports practiser, said stage is one game round of said sport, said parameter is a game parameter and said action program is a training model for improvement of the practiser's player properties within said sport.

48. (currently amended) The method according to claim ~~42~~47, further comprising the step of registering player data for the sports practiser; and whereby said normal profile is based upon corresponding player data, for example age group, sex, handicap or ranking.

49. (currently amended) The method according to claim ~~42~~38, further comprising the step of visually presenting the characteristics profile or the comparison profile in the form of a bar diagram having one bar for each game parameter, where the bar height corresponds to the characteristics measurement value.

50. (currently amended) The method according to claim ~~42~~38, further comprising the step of visually presenting the characteristics profile or the comparison profile in the form of a curve chart, where the level of the curve for each game parameter corresponds to the characteristics measurement value.

51. (currently amended) The method according to claim ~~42~~47, adapted to the analysis of the player properties of a golfer, whereby the game parameters are various shot types and the characteristic measurement is the average number of shots per round.

52. (currently amended) The method according to claim ~~42~~47, adapted to the analysis of the player properties of a tennis player, whereby the game parameters are various shot types and the characteristic measurement is the percentage distribution of successful shots in relation to unsuccessful ones.

53. (New) The system according to claim 1, wherein the selection device is configured so selection of the action program is automatic.

54. (New) The system according to claim 1, wherein the action program comprises a training model having one or more pre-stored instructions to perform at least one exercise to overcome at least one of the shortcomings.

55. (New) The system according to claim 1, wherein said shortcomings comprise an illustration or display depicting as a percentage of at least one of a correct or incorrect data result relative to said normal profile.

56. (New) The system according to claim 21, wherein said data input comprises a keypad having a plurality of pairs of keys via which said result data is manually entered, said calculator comprises a processor configured to determine by calculation each said characteristic measurement wherein said characteristic measurement is calculated for  
5 said predetermined characteristics measurement, said profiler comprises a processor configured to generate said characteristics profile via compilation of said calculated characteristics measurement, said database comprises a data storage unit that holds said reference characteristics profile which is pre-stored therein before said selector selects said training model, said comparator comprises a processor configured to generate said  
10 comparison profile by comparing said characteristics profile with said reference characteristics profile, and said selector comprises a processor configured to select said training model using one of said characteristics profile and said comparison profile, and wherein at least one of said links comprises a non-wireless electrically digital data signal conducting connection. selection of said action program is automatic.

57. (New) The system according to claim 56, wherein each said processor comprises a common processor onboard a hand-held registration unit and further comprising a personal computer and a link enabling said hand-held registration unit to removably connect to said personal computer.

58. (New) The system according to claim 56, wherein said data input is comprised of a hand-held unit and further comprising a personal computer wherein said processor of at least one of said calculator, said profiler, comparator and said selector is disposed onboard said hand-held unit and said processor of at least one other of said calculator,  
5 said profiler, comparator and said selector is disposed onboard said personal computer with at least one of said links linking said hand-held unit and said personal computer.

59. (New) The computer program product according to claim 22, wherein selection of said action program is automatic.

60. (New) The method according to claim 38, wherein the selecting step is automatic.